



SEQUENCE LISTING

70580

<110> Wood, Kenneth W.
Sakowicz, Roman
Goldstein, Lawrence S.B.
Cleveland, Don W.
The Regents of the University of California

<120> Plus End-Directed Microtubule Motor Required for
Chromosome Congression

<130> 18557C-000110US

<140> US 09/150,867
<141> 1998-09-10

<150> US 60/058,645
<151> 1997-09-11

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<170> PatentIn Ver. 2.0

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<213> Xenopus sp.

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<223> Xenopus centromere-associated protein-E (XCENP-E)
member of the kinesin superfamily of microtubule
motor proteins

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Arg Val Phe Asn Ser His Glu Ser Thr Ser Gln Ile Tyr Gln Glu Ile
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58

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Phe Ala Tyr Gly Gln Thr Ser Ser Gly Lys Thr Tyr Thr Met Met Gly
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Thr Pro Asn Ser Leu Gly Ile Ile Pro Gln Ala Ile Gln Glu Val Phe
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Lys Ile Ile Gln Glu Ile Pro Asn Arg Glu Phe Leu Leu Arg Val Ser
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Tyr Met Glu Ile Tyr Asn Glu Thr Val Lys Asp Leu Leu Cys Asp Asp
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Arg Arg Lys Lys Pro Leu Glu Ile Arg Glu Asp Phe Asn Arg Asn Val
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Tyr Val Ala Asp Leu Thr Glu Glu Leu Val Met Val Pro Glu His Val
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Lys Met Asn Asp His Ser Ser Arg Ser His Thr Ile Phe Arg Met Ile
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Leu Thr Arg Ile Leu Gln Asn Ser Leu Gly Gly Asn Ala Lys Thr Val
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Leu Gln Phe Ala Ser Thr Ala Lys His Val Arg Asn Thr Pro His Val
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61

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68

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at C-terminus of amino acids 1-473 of XCENP-E in
plasmid pET23dXCEMycHis

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Ser Glu Glu Asp Leu Asn Phe Glu His His His His His
20 25 30

72